QC-ABSTRACT

Name of Work:- Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	Material	-	1	1	Cement
					Sand, Aggregates
2	M20	-	2	2	Concrete Cube Compressive Strength

Cubes

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set

Add 1set for every 50 Cum

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

QC-ABSTRACT

Name of Work:- Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	Material	-	1	1	Cement
					Sand, Aggregates
2	M20	-	2	2	Concrete Cube Compressive Strength

Cubes

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set

Add 1set for every 50 Cum

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date:21.06.2023

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID: : Cement (Birla Super 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: :May - 2023

Date of Testing 19.06.2023 to 21.06.2023

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	125 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5) 1988(RA 2014)	350 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00%	-

A.E.E.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date 21.06.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Date of Testing 21.06.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	148	14.80	23.20	76.8	75-100
1.18	185	18.50	41.70	58.3	55-90
600 Micron	255	25.50	67.20	32.8	35-59
300 Micron	148	14.80	82.00	18.0	8-30
150 Micron	142	14.20	96.20	3.8	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24

Date 21.06.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Date of Testing 21.06.2023

IS Code : IS 383:2016

: IS 2386 (Part I):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	182	1.21	1.21	98.79	95-100
20	8235	54.90	56.11	43.89	30-70
10	3374	22.49	78.61	21.39	10-35
4.75	2825	18.83	97.44	2.56	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date 21.06.2023

TEST REPORT ON COARSE AGGREGATES

Client	: **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore
Agency	: **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore
Name of Work	Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore
Date of Testing	21.06.2023
IS Code	: IS 383:2016
	: IS 2386 (Part 1):1963(RA 2011)
Material	: 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	215	4.3	4.3	95.7	95-100
10	2874	57.5	61.8	38.2	25-55
4.75	1545	30.9	92.7	7.3	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorized Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Yelahanka, Bangalore

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No CQCE/BBMP/RBP/01/2023-24 Date 21.06.2023

TEST REPORT OF PHYSICAL PROPERTIES OF STAINLESS STEEL

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor.

Name of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Reference to BIS codes: IS 6911:1992

IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test: 21.06.2023

Tensile Test:

Nominal size (dia in mm)	50mm	Limits as Per IS 6911 :1992
0.20 % proof stress/ yield stress (N/mm^2)	241	200 Min
Tensile strength (N/mm^2)	438	400 Min
Elongation, percent in Min in 50mm	41	40 Min

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date 21.06.2023

TEST REPORT OF PHYSICAL PROPERTIES OF STAINLESS STEEL

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor,

Name of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Reference to BIS codes: IS 6911:1992

IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test: 21.06.2023

Tensile Test:

Nominal size (dia in mm)	15*20*1.2mm	Limits as Per IS 6911 :1992
0.20 % proof stress / yield stress (N/mm^2)	237	200 Min
Tensile strength (N/mm^2)	419	400 Min
Elongation, percent in Min in 50mm	42	40 Min

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date 21.06.2023

TEST REPORT OF PHYSICAL PROPERTIES OF STAINLESS STEEL

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor,

Name of Work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Reference to BIS codes: IS 6911:1992

IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test: 21.06.2023

Tensile Test:

Nominal size (dia in mm)	38mm	Limits as Per IS 6911 :1992
0.20 % proof stress/ yield stress (N/mm^2)	223	200 Min
Tensile strength (N/mm^2)	439	400 Min
Elongation, percent in Min in 50mm	46	40 Min

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any enquiry regarding the report must be reported within 30days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24

Date: 05.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of the work : Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2023	05.07.2023	8.014	395.6	17.58
2	28.06.2023	05.07.2023	8.065	387.2	17.21
3	28.06.2023	05.07.2023	8.098	380.1	16.89

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil,
Bitumen, Non Destructive Testing Services, Project
Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24 Date: 05.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of the work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2023	05.07.2023	8.014	395.6	17.58
2	28.06.2023	05.07.2023	8.065	387.2	17.21
3	28.06.2023	05.07.2023	8.098	380.1	16.89

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24

Date: 26.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of the work Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2023	26.07.2023	8.150	542.6	24.12
2	28.06.2023	26.07.2023	8.072	538.1	23.92
3	28.06.2023	26.07.2023	8.003	525.1	23.34

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/01/2023-24

Date: 25.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka sub-division, BBMP, Bangalore

Agency : **Sri. Raghunath B P(Goutham Construction)** Contractor, Bangalore

Name of the work : Providing nd fixing Street name boards in Kempegowd ward no.01 of Yelahanka sub division, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.06.2023	25.07.2023	8.165	528.6	23.49
2	27.06.2023	25.07.2023	8.022	542.6	24.12
3	27.06.2023	25.07.2023	8.175	509.1	22.63

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

A.E.E.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com